

**ABSTRACT OF THE DISCLOSURE****METHOD AND SYSTEM FOR HARDWARE ENFORCEMENT OF LOGICAL  
PARTITIONING OF A CHANNEL ADAPTER'S RESOURCES IN A SYSTEM  
AREA NETWORK**

A method and system are disclosed for logically partitioning resources of a single channel adapter for use in a system area network. Each resource includes a partition identifier register within which is stored a partition identifier. A first one of the resources is assigned to a first partition by storing a first partition identifier in the partition identifier register within the first one of the resources. A second one of the resources is assigned to a second partition by storing a second partition identifier in the partition identifier register within the second one of the resources. Partitioning of the resources is enforced by permitting access to the first resource by only the first partition and permitting access to the second resource by only the second partition by checking the partition identifiers of each resource.